

# TOIKE OIKE



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SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY

VOL. XL, NO. 1

TOIKE OIKE

Friday, October 22, 1948

## Mart Kenney's Music At First 5TO Dance

The class of 5TO start their social season off with a bang as they take over the Banquet Hall of the Royal York on Thursday, October 28, for their first big year dance. The dance committee of Bob Allen, Norm Patterson, Bill Morash, and George Soulis, have burned many a mid-night oil in the preparations of this dance and at last have announced that most of the arrangements are complete.

The feature of the evening will be Mart Kenney and his Western Gentlemen who make their first appearance in five years at a Varsity dance. The past five years Mart Kenney has been tied up in the Imperial Room of the Royal York and also other engagements, that they were unable to be present at any University dances. It is with great pride that the dance committee announce this accomplishment of obtaining Mart Kenney and his orchestra to supply the tempo for the Engineers and their hosts.

The dance originally was scheduled to be a semi-formal but due to student opinion, it was changed to an informal dance. Admission is by year card and this will be the first of a series of dances, where admittance will be by year card. A junior-senior dance is a probable year card dance in the future as well as a year dance after the New Year.

During intermission the famous quartet which originated at Ajax last year called "Three Macs and Mike" will make its debut this season and enter into the dancers. This quartet of Mac McLaughlin, Mickey McCloy, Garth MacDowell, and Mike Stoyanoff, have been quite popular since their start at Ajax and have appeared on numerous Engineering functions. This year they plan to have an even better season.

The dance committee also have announced that they intend to support the Red Feather campaign during the dance. Arrangements are still being made for this idea and Bill Morash hopes to have some special features.

The honored guests for the evening will be members of Faculty and also members of the Toronto and Ajax Engineering Societies.

The committee hope to put on a real fine dance and also that all members of the class of 5TO have a good time.

"We hope to make this a well-worth-while dance for everyone," remarked Bill Morash, "and it is a very good way to star the McGill week-end."

## Introducing — The Debates Club

By DREW DOUGLAS

This year the Debates Club is planning an active program. Last year Skule took the field in some bang-up debates with Vic and U.C. and this season will see more verbal duels with the artsmen. It is also hoped to revive the inter-year debates, which used to be a regular feature of Skule life, and of course there will be contests between the Ajax and the Toronto campus.

The committee would like to emphasize that this year's program is being planned for the many Skulemen who do not aspire to become silver-tongued orators, but would welcome an opportunity to put in "two cents' worth" without much formality or long preparation. The aim is many smaller debates with a large number participating, rather than a few big debates. Those who wish to try their hands at presiding over the meeting will be welcome to act as chairman or in similar capacities.

Speaking of preparation, less time is required than many think. Only a limited amount of material can

## What Means VIC On School Lawn?

The other week, some of the eight o'clock Schoolmen, on their way to early morning lecture, were astonished to discover the green lawn of the "little red school house" defaced with the mysterious letters "VIC" done in whitewash.

The origin of these markings and their significance is still shrouded in mystery. In an attempt to clarify the situation, "Toike Oike" conducted a survey which reached campus-wide proportions, but which failed to arrive at any explanation.

John McCorden, President of the Engineering Society, shook his head and confessed his ignorance. "All I know is that the letters themselves were made by a very amateurish person. No engineer, even in his first year, would have been satisfied to leave letters like that. Look at them. Each letter has an entirely different slant, and none of them have that clean-cut appearance of an engineer's letters."

Drew Douglas, Chairman of the Debates, had this to say: "With so many small political, social, national, and international groups, societies and bodies mushrooming up on the campus, each identified by some letters or initials rather than a respectable name it is hard to say just what they signify. It could be, though I would not say definitely that it is one of these."

Charles Barnette, student in IV University College too, was at loss for an explanation, though like Douglas, thought it might possibly be some obscure group. "Do the letters VIC arouse any response, he was asked?" "No, I am afraid that they do not," he answered.

Gwynne-Timothy, IV Trinity, and President of the S.A.C. when interviewed was completely at loss as to the significance of the mysterious letters. "It could possibly be some new fraternity but then I would not like to say," was his reply.

Keith Routley, IV Dentistry, Fred Hogarth, IV Medicine, too, were at a complete loss. A number of Medical students had noticed the letters on the lawn but thought that it was some kind of publicity for School Nite.

As presented in the time allowed, and it is the skill with which this is done rather than the amount of facts and figures thrown across the floor, which makes a good debate.

Practice in public speaking is something which we can all use, and most of us will never have a better chance for it than here at S.P.S. Plan to do a little debating this year at Skule. If interested, see Drew Douglas, IV Mechanical or Blair Ferguson, IV Engineering and Business.

## Dean Young



## The Engineer As A Craftsman

Each year, as September comes and throngs of young men stream into the universities for the study of engineering, one cannot help being impressed by their firm assertions of confidence in the choice that they may have made. While that confidence may in a measure be expressive of a mass attitude, and a little like whistling in the dark, it must in reality rest on the ground of personal conviction.

What is it that impels young men to become engineers? Is it merely the desire to earn a comfortable livelihood in a respectable calling or, perhaps, a reaching for power and superiority? In the case of most of those who come to the university I do not think that it is either. It is rather an urge for achievement, for the consummation of eminently worthwhile enterprises. Of such, none is so clearly emblematic of worthwhileness as the successfully completed work of an engineer.

In what the engineer does there is a marked element of craftsmanship. He practices an art, although it is an art that enjoys the dependable guidance of science. Armed with the chart that it provides he can afford to be bold, to strike out into unfamiliar fields. He dares to be an originator and a pioneer. In that role he finds contentment and pride of achievement, with no sense of depriving others of the same opportunity for satisfaction. The wholesome rewards that are associated with scientific craftsmanship are worth the years of earnest effort that are necessary to attain it.

But it should not be forgotten that high craftsmanship is found in many divergent pursuits. It is practised by the surgeon, the lawyer, and the preacher, as well as by the artist and the poet. Any work faithfully executed in conformity with the most exacting standards pertaining to it is a work of superior craftsmanship.

While the young engineer in training may deem himself singularly fortunate in pursuing a calling that is characterized by definiteness and exactitude, he should remember that those who deal with the inexactness that surrounds endeavours in the social, economic and political world have in a sense a much more difficult role to play. No mathematical equations or invariable scientific laws can be brought to bear on the solution of their problems. They must solve them through the practice of a kind of craftsmanship, by the exercise of judgment and the balancing of probabilities.

In these circumstances the virtue of humility, of sober appreciation of the achievements of other craftsmen who lack the keen tools of the scientist and the technologist, would with particular grace rest on the young engineer. Amongst the many who strive on the same campus with other goals than your own in view there is a natural setting for its acquisition. May men and women of all years in the Faculty of Applied Science and Engineering be not unmindful of the peculiar opportunities for attaining it that lie in the year ahead.

September 22, 1948

C. R. YOUNG, Dean.

## By-elections For Offices In Engineering Society

Engineering Society by-elections were held simultaneously at Toronto and Ajax last Friday to fill a number of vacancies in the Engineering Society executive.

The campaign lasted for a week and came to a close Thursday, Oct. 14 when the various candidates explained their platforms and qualifications before Schoolmen in Convocation Hall in Toronto, and in the Recreation Hall at Ajax.

Voting took place on Friday, Oct. 15, between 11:00 a.m. and 2:00 p.m. Polling booths were set up at various strategic points in the engineering building and clerks were kept busy handling the numbers

who came to vote between classes. About 30 percent of the students in Toronto voted. According to Jim Walker, Publicity Director, this was a fairly good showing, particularly in a by-election. At the elections held last spring, school topped all other faculties in the percentage of votes cast. Again this fall, in the Hart House elections at Ajax, the vote polled was very high, according to Warden Ignatieff.

Posters and signs were displayed during the campaign week throughout the various buildings where Schoolmen attend classes.

In Toronto, only two of the offices were not contested, the positions being filled by acclamation. That for 2nd Vice-Pres. where W. J. I. Clark and Ath. Ass. Vice-Pres. with W. Firstbrook.

Those elected were: Pres. Tor. Athletic Ass.: M. Olsen; Sec. Tor. Eng. Soc.: J. Roddy. For Ajax candidates elected see note sent in from Ajax Varsity Office for T.O. Oike.

## Ajax End In Sight

Whatever joy or dismay it may cause them, first year students at Ajax may take pride that they are the last of the first year classes to take their first year "out in the styx". They can expect to "enter their second year as men of 'School' on the city campus. Much of their equipment, in fact anything that can be moved, will, follow them back to the city, and there is indeed much in the way of valuable equipment now at Ajax which Toronto envies.

In January 1946, 1600 freshmen, mostly ex-service, who persisted in calling the cafeteria "the mess hall" and residences "barracks" broke trails through ankle-deep snow to the recreation hall to hear addresses by President Sydney Smith, Dean Young, Professor Wright and others. Ajax had become a university!

It was only a little while since shells and ammunition had been pouring off assembly lines where students now sit; that cordite and R.D.X. had been prepared on the same spot where chemistry classes now use hydrogen sulphide and acids to discover the wonders of chemistry.

Fourth year men recall with vividness, how the "green hornet", loaded with students used to ply back and forth from the city.

When the university took over much work had to be done — and done in a short time. Floors of the plant, impregnated and poisoned with high explosive had to be re-laid before the rooms could be fitted up for classrooms. After that came an army of carpenters, electricians, pipe-fitters and lastly painters, decorating, wiring, fitting new heating systems as the old radiators were too noisy for classroom use. Blackboards and seats, laboratory desks and cupboards had to be fitted up. What was done was accomplished in a miraculously short time, a matter of a few months,

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# TOIKE OIKE

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ED SOKOLOWSKI — DAN CHMARA — DREW DOUGLAS

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## The Road Ahead

At long last, fellows, the first edition of Toike Oike, Volume 40 is off the press. A new class of engineers-to-be has settled down to work, fresh with that pristine enthusiasm which many of us, senior men have lost. What a worth-while service it would be if you first-year men could re-infuse us with that enthusiasm and those high dreams which have vanished.

A number of those joining our ranks come here representing other countries. To you, we extend a welcome not only as fellow schoolmen but as Canadians to our guests. We hope that you will like our country and in spite of the rigorous course will yet have time for play and will carry away with you, not only the skills and knowledge acquired in the classroom but also many pleasant memories and worth-while friendships. In return, you will contribute a very important something to your fellow Canadians. This something for us, is a broader outlook on life, an understanding and tolerance for other ways of thinking and a better appreciation of what your nation has contributed to the world's vast store of knowledge and culture.

The rapid strides of Science has given the world greater and deadlier means of destruction along with greater comforts and more of the necessities of life. Today, we find ourselves standing at the crossroads. In one direction the road will lead us to a greater store of the good things of life, but more important through our technology it will bring those self-same things within the reach of all. In the other direction, however, the road will take us to war and chaos and the destruction of our civilization.

We, as engineers are trustees of the powers and resources of nature and it will be our responsibility to decide along which path mankind will make its way. Our choice will depend upon our sympathies and attitudes and it is during the course of the next few years that these sympathies will be molded. Our education will be not only in the classrooms, but in the Residence, in the Tuck Shop and on the playing field where we come into close contact with our fellows; it will be there that we shall learn their point of view and to see things through their eyes.

The road that lies ahead is full of golden opportunities. It is up to us, each one of us, to avail ourselves of these and to develop that broad and understanding spirit which is so necessary in the world of today. As leaders of tomorrow it will be for us to choose which path will be taken in the road that lies ahead.

—J.F.F.

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## School Spirit

Schoolmen have enjoyed an enviable prestige throughout the U. of T. campus in the past. Their aggressiveness, prominence in sports and reputation of being "men of action" have contributed largely. Above all this, however, has been their strong "esprit de corps" and loyalty to one another and to their School. With these qualities they have been the envy of the "men of thought" on the other side of the campus. However this "School Spirit" is fast becoming one of the by-gone relics of the "good old days" when the enrollment was smaller and limited to a few hundred instead of being counted in the thousands. In those days when a Schoolman was absent from anything he was missed. Today we have the "I'll-not-be-missed" complex. Our spirit and prestige has fallen. Then, Schoolmen used to turn out to hear the traditional election speeches. Now, they walk out. That itself is only a symptom of the general deterioration of School Spirit. With that deterioration has come a loss of prestige. The reason—we are just too big a faculty. There are far too many of us to give a healthy school spirit. It is time that we pulled up our socks.

Because we are men of action rather than words, School Spirit should be something more than just "rah rah!" and a "Toike Oike" on Saturday afternoon games. With a better School Spirit there would be more and louder "Toike Oike's" at some of the games when our interfaculty boys are trying to win the cup from U.C. or Meds. School Spirit exists when a few members of the Engineering Society spend hours working on a dance to give the Engineers a good time; it does not exist when a bunch of Engineers don't even turn out to it.

School Spirit exists when a bunch of the girls in S.P.S. spend hours rehearsing a dance routine for School Nite. It even exists when S.P.S. men take part in inter-faculty activities as in Hart House, debates or such worth-while causes as I.S.S. committees, and contribute their clear-cut thinking or executive ability to helping make these things go.

Many of us are like the two-talent man rather than the five-talent man and our academic work required most of our time. It would be undoubtedly foolish to go jumping into everything that comes along. However, surely, ah surely, we can take some activity, even if it is only just one and give it our best effort. By proper budgeting of time it surely could be done.

School Spirit will help us when we leave these ivy-colored walls and go out into the world. The successful man must possess loyalty and a willingness to co-operate with others. He must have broader interests than "book learning" for he is working with men. It will pay us dividends. The one who prefers to stick solely to his drafting table will find that he is STUCK there, while the more versatile man is promoted. Let's take stock of ourselves and do a little honest heart searching. Have we done anything for School? If we haven't let's do something! Let's.

—J.F.F.

## Flexibility of Engineering Physics Provides Many Fields for Graduates

By J. R. LESLIE  
378 Research Engineer, H.E.C.

Nine years have elapsed since the first Engineering Physics class. It is pertinent at this time to review the experiences of the earlier graduates. I shall try to give you, in a few words, some of our thoughts on Engineering Physics and its application in industry.

Our experience in industry has shown that the fundamental training received in the Engineering Physics course is applicable to most branches of Engineering. This, perhaps, is the most important conclusion that can be drawn as a result of our nine years in industry. The application of wartime advances in aeronautics, electronics, infra-red, geophysics, to name a few, all require a general scientific knowledge.

**Fundamentals Important**

The variety of problems which arise in industry and particularly in development work seems to be endless and the graduate will be expected to supply a correspondingly endless fund of knowledge. As proof of the value of the Engineering Physics type of training, it need only be noted that engineering educators have proposed in a revision of existing courses, an increase in the teaching of the fundamental sciences, which are now taught in our course alone. Because of this training, the Engineering Physics graduate need not be wary of accepting a position outside his own field.

During the first few years in industry the graduate will probably hold a junior engineer grade and after about three years he should

be promoted to assistant grade. Further promotion depends on his ability, his initiative, and his personality. Industry is not reluctant in recognizing the energetic worker.

It should be pointed out that in strictly research positions, the graduate does not in general assume the responsibilities that other work provides, especially as far as supervising others is concerned.

For those who ultimately desire administrative work, the openings in industry will be more attractive than those in government laboratories. Many of the earlier graduates now hold responsible positions in large concerns.

### Post Graduate Training

The question of post graduate training is a debatable one. Many of us believe that experience in industry is equally important as an M.A. or Ph.D. Although a graduate degree is a definite advantage, it is not a cure-all or a guarantee of success. The undergraduate is advised to get some practical experience first, before considering further studies. He should also be warned that there may be a surplus of engineers in the not-too-distant future, at which time there may be very little choice for those looking for employment.

### Salaries Paid

Before the war, research salaries generally were lower than those paid in other branches of engineering. This unfortunate state of affairs has not been or is being remedied. The undergraduate is referred to the result of salary questionnaires published by the Engineering Institute of Canada and by the Association of Professional

Engineers of Ontario. See "The Professional Engineer" for October, November, 1947. This issue shows salaries paid in the profession, grouped according to the various branches of engineering. The Association also publishes a salary schedule (December, 1947 issue) which is recommended as a fair basis of payment for engineering services. The average monthly salary after 1 year of service is shown to be \$250 per month, rising to \$325 after five years of service. These figures may be high for most concerns at the present time.

You may ask which lectures we believe to be the most valuable. Those in general physics and mathematics are undoubtedly the most necessary, but only if they are tempered with an engineering slant without which the worker becomes an "arts" man.

### Positions Available

The majority of undergraduates can expect to be employed in the electrical or aeronautical industries. Openings are also present in the National Research Council. Twenty-one of the first graduates after approximately 8 or 9 years away from school, are employed as follows:

	Per No. Cent.
Electrical (Utilities and Industry) .....	8 38
Aircraft Industry .....	7 33
Government (including armed services) .....	4 19
University .....	2 10

Of these twenty-one graduates, at least ten or 50 per cent. are doing development or research work.

J. R. Leslie,

378.

## A Quick Look At the New

By JOE

Every year around this time the spirit moves me (as what brand of spirit doesn't) to write an article on current problems confronting the meagre student body of this here youth. The following therefore proposes to be a dissertation in the New Look, but from a different angle. I had to get up off the ground to write it so now you are told and don't say I didn't warn you, because forewarned is forearmed. Then again who wants forearms. They might be handy for the Christmas shopping.

This year marks the beginning of a definite trend. Next year the fashions will be termed "The Newer Look". By 1950 people will be screaming from the rooftops — "look everybody, newer still!" Of course everyone will be fascinated by the possibility of a "Newer Still", and thousands of old bath-tubs will be pressed into service, home production of various brews again become a national pastime.

Goodenham's business will go to Woz. Haig will be separated from Haig. Seagram's V.O. will be K.O'd. Vat 69 will be supplanted by Trough's 570. Kenzie will sell only reports. Pandemonium will reign and all because of "X" inches of more hem.

AHEM? Yes, ahem, where was I? The situation is indeed serious. Skirts could get out of hand (were they ever in).

Four inches now — four inches next year — in five years skirts would be so long that women would be unable to walk at all; and would have to be dragged from place to place with both feet and a couple of yards of dress trailing behind. Naturally this would eliminate the need for a street cleaning department and with the extra funds thus made available, the Royal and Ancient (and at times honourable) sport of Chariot Racing would again flourish.

But to confine oneself to the length of skirt would be narrow indeed. Other features are bound to be affected. Who knows? They may decide to bring snoods back. It's an ill wind that blows nobody's good or perhaps a return of the hoop skirt. This would necessitate wearing a book-end on each side, because of the large volumes in between.

Next year we are in for a drastic change. Science is likely to tell us it is harmful to get a suntan. Because of this, women will stop going to the beaches. Engineers would stop going too but for a different reason. It would make no difference to an Artsman because they are

## S.P.S. Engineering Society Claims Oldest in Canada

Sooner or later, the awe-inspired freshmen will have heard something about the "Engineering Society" and perhaps have asked the question: What is it? Who runs it? And what does it do? and perhaps dismiss it with the idea that it is "just kid stuff." Because the Engineering Society will play such a large part in his life during the next four or five years, it is well to have at least a background of information concerning it. It is the purpose of this article to pass on a few general ideas concerning what it does and who it is.

The history of the University of Toronto Engineering Society dates back to the year 1885 when it was founded by Dr. Kennard Thomson. The first meetings were conducted by Principal Galbraith who presided. Three years later, H. E. T. Haultain, then a student and who later became Professor, was the first student president. The society, by the way, is the oldest of any Engineering Society in Canada, including the Engineering Institute of Canada.

Its chief function falls into five classes: (1) Educational, (2) Liaison, (3) Athletic, (4) Social, (5) Operation of the Engineering Society Stores (6) Publications.

The society serves in an educational capacity to provide experience for the Engineers by bringing in outside speakers, usually men prominent in the engineering field, to tell the student engineers something about the work of a professional engineer. These occasions afford the opportunity to students to personally meet men in the profession to which they are preparing themselves. The Engineering Society also sponsors the various professional clubs in existence both in Ajax and on the Toronto campus. It provides them with a grant of money for carrying on the various club activities. These clubs are really smaller units of the society as a whole. The clubs, such as Electrical, Mechanical, Chemical, Mining, and Architectural Clubs bring in speakers to address the meetings on the various subjects pertaining to that branch of engineering. Club Dinners, surveys and excursions are subsidized by funds from each club.

The society forms a liaison or link between the students as a whole and the Faculty. At the club meetings students are given the opportunity of meeting various members of the Faculty in an informal atmosphere not possible in the classroom.

Athletics have always played an important role in the life of Schoolmen. The Engineering Society has done much to encourage sports through arranging inter-school competition, providing money for equipment and providing members of school teams with school letters. It is only necessary to follow the sports news in campus papers to see that

Schoolmen are doing in the field of sports.

Although each year has its full quota of hard work, there is still plenty of time for play and the Engineering Society acts as sponsor for a number of large social events. Each year there is the big Engineering Dinner. This has been held at Ajax for the past four years and part of the cost is paid for by the society. Then there is the Frosh reception, and a number of dances held throughout the year, including the high "At Home." Another big event is "School Nite" held in Hart House Toronto.

The operation of the Engineering Society is still another major project. Students at Ajax will readily appreciate the convenience of having a source of drafting supplies, pencils, paper and other items at hand. The profits from the stores go back into the Society treasury and is returned to the students indirectly through these social events. Most of the students have been given a copy of "Transactions". Those copies, and this copy of Toike Oike which you are now reading are both publications of your society.

The executive body of Engineering Society consists of the following officers: a president; a vice president in charge of social activities; a vice president in charge of the stores; a secretary; treasurer; eleven club chairman representing the various clubs; a president for each year; a president of the athletic association; and chairman of the athletic association to represent each year. These officers are elected by you, students of School.

In electing the president of the Engineering Society, both at Toronto and at Ajax, you are electing your representative to the Students' Administrative Council.

The money for all these activities comes from the Engineering Society fee paid by each student or D.V.A., profits from the store. In addition there is the revenue derived from the sale of year cards. This latter is an earmark for social activities. You may not think of it as you walk with your lovely partner

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# SPORTOIKE

First of all we would like to welcome all new students to the faculty of Applied Science and Engineering and wish them all a very successful year, academically and otherwise.

You Freshmen are now what is known as Schoolmen and that in itself holds high in the University of Toronto. On top of that being at Ajax makes you a part of a great faculty that has built itself a great reputation, especially in the field of sports.

The obstacle of the 24 miles that separates the Ajax campus and Toronto campus is not too easily overcome, yet Ajax has a very good record in Interfaculty Sports competition. Many championships have made a niche in the Ajax Hall of Fame and this year, which may see the end of Ajax Division, Jim Follwell and his able assistant Patrick Sheehan plan to make this season the best of all.

For example, for two years in a row, the Ajax basketball team have been the winners in the Interfaculty league. The soccer team have duplicated that record and they now hold the Arts Faculty Cup, the emblem of soccer superiority.

The second season of Ajax, was a good year for football as the Ajax Juniors romped to the Eastern Ontario ORFU Championship.

The winning Volleyball team in last year's league was from Ajax.

In 1946 and 1947, the Ajax Hockey Team gained possession of the Jennings Cup and the following year most of that same team graduated to Toronto and now Senior School hold the Jennings's Cup.

These and many more team victories have proven that Ajax men are very active in sports.

Along with all this Interfaculty competition, Ajax has been well represented on the University of Toronto teams in the Intercollegiate circuit and these students have added more honor to Junior School.

Although Ajaxmen are active in Interfaculty and Intercollegiate sport, they also have a very extensive sports programme of their own. The Inter-residence competition has been very keenly accepted in the past years.

Jim Follwell, Athletic Director at Ajax, along with Pat Sheehan, have worked out a very promising programme since a great many students have shown much interest in the field of sport.

The facilities at Ajax are numerous and can suit any type of competition. There are three hockey rinks north of the Recreation hall for the winter season as well as a skating area. Tennis courts are located south of the hospital. Playing areas for soccer and rugby are located south of the residences and east of the Recreation Hall. There is also a fine running track north of the hockey cushions. The Rec hall is used for Basketball and Volleyball, as well as for the numerous Athletic nights which are sponsored by the Athletic Association monthly. Building Number 2012 is used for boxing and wrestling and gymnastics.

Besides all this, the facilities in Hart House, Toronto, are open to the Ajax students. For sport such as golf, skiing, etc., facilities are made at nearby localities for such competitions. Bowling is also very keenly competed for during the winter months.

One can see that there are very few facilities lacking.

Taking part in all these activities does take up a great deal of time and students should be careful in allocating what little spare time there is. But being active in a few sports can make life much more interesting at Ajax, than if all of it was spent with the head buried in the books. Being active in sports can very easily keep one from getting too stale in his studies.

Both Jim Follwell and Pat Sheehan hope this year will see stronger competition from Ajax than ever before and by the enthusiasm shown by the students to date they expect a very good year.

## School Lacrosse Teams Prepare Early For Tilts

The lacrosse season will soon be under way for the University of Toronto in the Intramural Loop and the S.P.S. boxla men are taking no chances this year. They have been practicing since early in the term and are slowly but surely moulding into shape. In the last season, the Engineers played well when they were matched with the musclemen from P.&H.E., they could not keep up with them the entire game. After

the first half they were played out and the P.H.E. team romped to an easy victory.

This season the team have started early for the sole reason of conditioning. By the time the season does start, the Engineers will be in top form.

School lost one of their greatest players when Tommy Skordoff injured his shoulder during the summer months and it is not likely that he will start the season. He hopes

# Renovated School Muloch Entry Have Great Plans For Season

Yes, kids, SPS has a football team and just in case you have been wondering about that and there is any doubt in your mind, drop around to the back campus any week day after 5 p.m. and see the boys in action.

Under the watchful eye of coach Jim Vann, the boys are rolling through their power plays in preparation for their next test. The boys have thus far tucked two straight losses under their belts but a lot of good has come with them. The boys are going to be more careful in the future. They now know the type of football they have to play in this, the toughest football league in college sports.

That first game with Meds was a tie game until the last play and then... but that is all history now.

Last Wednesday afternoon, the Engineers came up against the UC-PHE Combine and came off second best to the tune of a 7-1 count. That game is all history now too and in this case, history is not going to repeat itself.

Of course, we could now proceed

to make excuses for those two losses. We could say that the plays that the team is using this year depend on split second timing and the boys have not quite mastered such precision necessary in the time that they have had for practice.

We could go on and on making more excuses but being the skulmen we are, we won't resort to such low tactics.

The only thing we'll say at this point is "It won't happen again."

We aren't making any rash statements either. We have several pieces of evidence to back up our remarks, and these are all good men from SPS.

Cast your eyes over this impressive array of football talent and judge for yourself: Lapp, Flrth, Coates, Kidd, Wilson, Gordon, Hyslop, Heaslip, Ward, Hull, Triste, Shaw, Powell Kerr, McCreery, Clough, Gibson, Weaver, Laing, Littlejohn, Kay, Brooks, Medland, Arnot, Rowe, and Jim Vann as coach or playing coach as the occasion demands.

There, does that make things look

a little better, oh unbeliever? Study the list more carefully this time and search your memory while doing so. Remember the fight these boys have put up in past seasons. Many of them have been key men on past SPS teams both here and at Ajax. Ah yes, "the honour of School is safe in their hands."

The Engineering Society Athletic Association surprised the boys this year by presenting them with a considerable amount of new equipment. Of course, no school team ever had more equipment than they could handle and things are no different this year. Still, it is great to see every man with his own personal outfit. So awkward, you know, stripping the dead body to supply the needs of a substitute.

In conclusion, fellow engineers, if you have had that yearning to see an SPS team battle its way to victory, drop around to their next game next week and go home satisfied. SPS has what it takes and that Muloch Cup is closer now than it has been since the boys from the Little Red Schoolhouse carried it home the last time.

## Follwell and Sheehan Organize Ajax Sport

Most students will already know their Athletic Directorate at Ajax and will have found them very helpful. Ajax being twenty-four miles from the Toronto campus is more of school by itself and as a result has its own Athletic program. With very few outside activities near by, sports are concentrated in occupying the spare moments on the Ajax campus. This has been proven in the past few years by the fact that the sports program was very keenly accepted and a great many students participated.

Jim Follwell heads the Athletic Directorate and this is his first time in that capacity. He is not new to Ajax, as he served as assistant to Athletic Director Fred "Buff" Horton the first two years of Ajax. Last season he joined the Physical and Health Education staff in Toronto and now has taken over the position vacated by Fred Horton last year. Fred Horton has decided for a sunnier climate and left Ajax for California after the last term.

Jim Follwell is a sportsman from a way back with football as one of his favorite games. He was active in this sport throughout his college days and at the present time is assistant coach to Bob Masterson, head of the Varsity Senior Blues.

Jim is a graduate of the Ontario Agricultural College and has received his Masters Degree in Science and Agriculture. During the war he served with the R.C.A.F. He spent two years in Iceland on the staff of the Y.M.C.A. and directed all sporting activities for the men. After his discharge he came to Ajax as assistant to Fred Horton.

He played football throughout his college life and later was kicking

half for the Toronto Argonauts. His second year at Ajax he coached the Ajax Junior ORFU Rugby team to the Eastern Ontario championship. When he came to join the Toronto staff he took over the coaching duties of the Varsity Intermediate Blues for last year.

Helping Jim Follwell at Ajax is Pat "Booklyn" Sheehan. This is his third year at Ajax and he has proven to be a valuable asset on the directorate. Pat received most of his education in the States as many will find out, and during the war years he served with the R.C.A.F.

His specialty is basketball and it was through his assistance as coach of the Ajax basketball team, that brought the Sifton Cup to Ajax two years in a row. He built his team up to one of the finest teams in the district and it certainly was proven that they were the finest teams in the University. On top of that he also coached the Ajax Volleyball championship to victory last season. He has a great knack to organize a basketball team into a very smooth working unit and he teaches his players to work together. It was in this way that the teams were able to bring their fine record to Ajax. This season he lost most of his team to Senior SPS, but he says that he has some fine talent and expects the new team to be as good as the rest.

Jim Follwell and his staff have already started the ball rolling in their sports program and receiving the cooperation from the students they gave had in the past, they will have no trouble in carrying out their plans for the best year of all in Ajax Sports.

that his shoulder will heal up for the crucial games. But he will give valuable aid to the two School Lacrosse teams by coaching and with him teaching the players most of the lacrosse tricks the Engineers will be one of the top teams in the first and second groups.

Most of last year's first team is back again and with some of the new blood from Ajax to fill in the vacancies left by the 478 players, the team looks more powerful than ever.

Ed Kelman will star in the nets for the Blue and Gold. Turning in the season last year, he should very capably handle that department. "No Goal" Kerry Howe, although turning in a fine defensive game last year, failed to place the rubber past the opposing net minders at least once. This year his "a goal or die" aim for him.

One of the fastest men of the 49-team was Len Watkins and in a few workouts with the Ajax Boxla men, it was noticed that Len did not lose any of his speed. It actually looked as if he picked some up from somewhere.

Ken Ainsworth who plays one of the neatest games of lacrosse, will

be back for the second time on the Senior School team. Last year he missed a few important games as a result of a smack on the jaw from the hard rubber ball coming at full speed and it laid him low for a little while. One of his bad lucks is getting hurt at a very crucial moment.

One of the valuable additions to the team will be the stocky Mr. Pilgram of last year's Ajax team. To date he has shown plenty of fight and spirit and he definitely will aid the School cause.

Alex back again on the first team will be Gord Shacter. Mary Olsen Jimmy Thorne, and Eland, all of whom will give plenty opposition in all encounters.

When the Lacrosse season rolls around we will see the Engineers up in the top of the league or at least somewhere near there. Last season the Blue and Gold teams received plenty of support from the S.P.S. students and at every game the Upper Gym in Hart House was filled to capacity. This term it is hoped that the students will continue to give their support not only to the Lacrosse teams but to all squads who wear the Blue and Gold colors.

## Senior Skule Start Race For Trophy

Senior School who stood second in the T.A. Reed race last year have already made their bid for the trophy this year. Although not an effective one at this early stage of competition it still is a start.

The Rugby team look good and they may pull plenty of surprises. The Engineering Soccer team so far are credited with no losses but have twice been tied in two starts.

The Volleyball season starts at the end of the week for School and with five entries, all of whom are prepared to do their best, it looks as if we get somewhere in that department.

The call for swimmers has been answered by many and the large entry will definitely add points for the Trophy race.

Senior School also plans to send two lacrosse teams into action at the beginning of the season and this year they'll try to better their good record of last season. The S.P.S. I lacrosse team wound up in the semi-finals and lost out to a well-conditioned P. & H.E. team. This season the lacrosse men have been out practicing since the beginning of the term and the players are getting all that surplus weight changed into muscles.

The hockey season looks bright for Senior School. With most of last year's winning team back again and also some good players from Ajax, it looks as though the Jennings's Cup will remain at School for another season. Four teams at least will be thrown into the hockey league this year from S.P.S.

School had one of the largest number of men playing basketball last season and it is hoped that this year with an even larger number of students at Toronto than last year, that School will be able to duplicate its entry in this department. With many good players showing up from the Ajax Championship team, Senior School may do very nicely in the league.

These are only a few of the Major sports that School has entries and they all add points for the Trophy. But there are many of the sports in minor leagues that boost the standing up by quite a large amount. To make up these many teams, a large number of participants are asked to turn out for these teams. No matter how small a team it is all needed in the Interfaculty competition.

All persons wishing to turn out for any of these sports are asked to report to any of the managers of the various teams. See any of the members of the Athletic Association. There are plenty of vacancies in most sport and it is hoped that these will soon be filled.



## An Open Letter

Well fellows, welcome to Engineering, Ajax or Toronto, wherever you are bound. This year the little "red school house" will see its record number of students, i.e. third and fourth years, and Ajax will see its minimum of ex-service men.

After last year's experience with steps the boys will know better than to let the cat out of the bag with respect to the whereabouts and the type of entertainment for such frivolities. After all, we must down our forty beers some place and for some occasion. Just be more careful fellows.

Having faint memories of an Artisan's opinion of School spirit and sports, what say if we really show the rest of them at the other end of the campus that we can and will give them a taste of School spirit. A word to the wise (from Ajax), the equivalent of Line 5 Villa in Toronto is at the corner of Bloor and Queen's Park. By this time you chaps must surely know where those two important streets intersect.

Well, I thank I go now.

Hallo,

Joe Blow,  
TV Transit and Slipstick,  
S.P.S.

## Ajax End in Sight

(Continued from Page 1)

and on January 15, 1946, Ajax became an important seat of learning.

Within a few years it will again revert to its original role as a busy hive of industry. A British firm is said to be preparing to start production on television sets. It is suitably located with heating, water, steam and rail transportation, housing accommodation for workers and a modern new four-lane highway at its front door.

## UNIVERSITY OF TORONTO ENGINEERING SOCIETY EXECUTIVE - AJAX

Fall Elections, October 15, 1948

Engineering Society Executive:  
President: Mr. W. I. Turner (Acclamation); Secretary: Mr. I. Waxman.

Class 5T1 Executive:  
President: Mr. G. A. Pelletier (Acclamation); Vice-President: Mr. J. D. Sibbald (Acclamation).

Class 5T2 Executive:  
President: Mr. D. M. Robertson; Vice-President: Mr. D. J. McParland; Secretary-Treasurer: Mr. E. H. Anson-Cartwright (Acclamation); Athletic Representative: No nominations.

Chairmen of Clubs:  
Mining and Metallurgical Club: S. W. Wright; Engineering Physics Club: M. J. Zabluk; Electrical Club: J. D. S. Boggs (Acclamation).

N.F.C.U.S. Representative:  
J. F. Hostein (Acclamation).

Athletic Association:  
Vice-President: Mr. P. J. Dowlings; Secretary: No nominations.

## S.P.S. Society

(Continued from Page 2)

on the convention floor of the Royal York but that evening's entertainment cost the society over one thousand dollars.

This year a number of by-elections have been held. Regular School elections are a major event on the Toronto campus and last year School had the highest vote record for any faculty on the Toronto campus, a fact which shows that Schoolmen take a healthy interest in their society. It is hoped that you first year men will "find out what it is all about" and maintain this splendid record.

Space will not permit a more de-

tailed description of the Engineering Society but this will at least help the first year men to realize just what an involved organization your Engineering Society is and what it is doing for you.

## TOIKE OIKE

Anyone wishing to work on Toike Oike, is asked to leave their name, address and telephone number at the Engineering Society Store. Contributions will be welcome, but they must be signed. They may be written and left with the girls in the store.

## Modern Touch Added To University Architecture



Above is a presentation drawing of the new Mechanical Building, from the offices of the Architects, Allward and Gouinlock. The windowless section at the right is the large auditorium and will be equipped for sound motion picture projection. On the third floor is a students' common room. In addition to these features, the building will contain many new labs and lecture rooms to keep pace with the rapidly changing mechanical world. This contemporary approach to a design solution is a commendable change from the traditional University Buildings and is appropriate to the Faculty of Applied Science and Engineering.

## River Flow Laboratory Is Only One in Canada

The new Mechanical Building is hoped to be ready for complete occupation by the students at the beginning of the new year, according to Professor Allard, head of the Department of Mechanical Engineering. Classes have been held in the machine design and industrial laboratories since the opening of the term. Last Monday, a lecture room on the third floor was used for the first time. According to some of the students who were privileged to use it the acoustics of the room are excellent.

With about 2400 students enrolled in Toronto this year, there is a crying demand for more accommodation, and the new rooms will be welcomed by both staff and students alike.

The building was designed by Allward and Gouinlock Architects, the contractors are Anglin-Norcross Ltd. The building measures two hundred by sixty-six feet. There are five floors and the total floor area available for student accommodation is almost 66,000 square feet.

On the fourth floor, is the machine design laboratory with its spacious and well-polished desks. A large window area provides for a bright classroom, supplemented by fluorescent lighting for dull days.

On the third floor, the refrigeration and air conditioning laboratories are complete except for apparatus. There is also a students' common room which is also ready and awaiting only the furniture. This will prove a boon to students who wish to do work during their spare hours.

In the basement, there is a large hydraulics laboratory, equipped with a large model testing channel. It is the only one of its kind in Canada and those in the United States, while larger, are located in the Southern States where climatic conditions permit them to be built in the open air. This one which is under cover can be claimed as being one of the largest under-cover river flow laboratories in the world. At present the laboratories are ready and are awaiting only power

connections to be made to the large pumps. This apparatus will be made available for research and study beyond the student curriculum, or by those doing post graduate work.

From the top floor to the basement will extend a Heat Transfer Laboratory. Other equipment will also include an X-Ray machine for studying welds.

On the south is a large auditorium, capable of seating 350 persons and equipped with motion picture sound projection equipment.

The new building representing the touch of modernistic architecture on the University campus will also make the University of Toronto one of the foremost in the field of hydraulic and mechanical research, and should be a source of pride to the Engineers in the years to come.

## A Quick Look

(Continued from Page 2)

not told anything about girls until just before graduation.

Flash news has just come in that a lady jumped from a tenth floor window of the Royal York Hotel. She was unhurt because she had on a light fall dress.

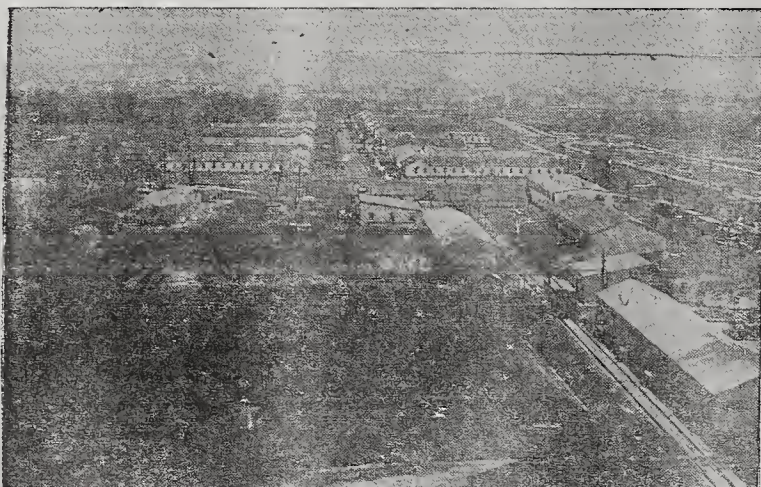
In closing may I say that if anyone feels deep down inside that there is an atom of truth in this article, meet me on Bloor St. Viaduct at 2:13 p.m. tomorrow and I will be glad to watch you jump off. JOE.

## New Sweatshirts

Schoolmen will shortly appear with the "new look" if they so wish within the next few days. A supply of the new School sweatshirts is expected to go on sale in the Engineering Society Stores within a day, or so according to John McCroden, president.

The sweatshirts will bear the S.P.S. colours, will be blue with gold trimmings across the top and gold letters.

## Final Year For Students



A view of the East Area Residences at Ajax. These were built during the war to house the female workers in the D.I.L. munitions plant. Each residence is equipped with study rooms lighted by fluorescent lighting; kitchenettes; laundries and a common room. House parties play an important part in the social life at Ajax while inter-residence competitions for the Dean Young Trophy play a big part in the athletic life of Ajax students.

# 5TO YEAR DANCE

"MART" KENNEY  
and His Orchestra

His First University Appearance In Five Years

THURSDAY, OCT. 28

ENTERTAINMENT  
BY  
AJAX QUARTET

Banquet Hall, Royal York

Informal

ADMISSION  
BY  
YEAR CARD